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| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | JAN 17 | Pre-1988 INPI data added to MARPAT |
| NEWS | 4 | FEB 21 | STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results |
| NEWS | 5 | FEB 22 | The IPC thesaurus added to additional patent databases on STN |
| NEWS | 6 | FEB 22 | Updates in EPFULL; IPC 8 enhancements added |
| NEWS | 7 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 8 | MAR 03 | Updates in PATDPA; addition of IPC 8 data without attributes |
| NEWS | 9 | MAR 22 | EMBASE is now updated on a daily basis |
| NEWS | 10 | APR 03 | New IPC 8 fields and IPC thesaurus added to PATDPAFULL |
| NEWS | 11 | APR 03 | Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL |
| NEWS | 12 | APR 04 | STN AnaVist \$500 visualization usage credit offered |
| NEWS | 13 | APR 12 | LINSPEC, learning database for INSPEC, reloaded and enhanced |
| NEWS | 14 | APR 12 | Improved structure highlighting in FQHIT and QHIT display in MARPAT |
| NEWS | 15 | APR 12 | Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected |
| NEWS | 16 | MAY 10 | CA/CAPLUS enhanced with 1900-1906 U.S. patent records |
| NEWS | 17 | MAY 11 | KOREAPAT updates resume |
| NEWS | 18 | MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS | 19 | MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2 |
| NEWS | 20 | MAY 30 | The F-Term thesaurus is now available in CA/CAPLUS |
| NEWS EXPRESS | | | FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/ |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | | | X.25 communication option no longer available after June 2006 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:55:45 ON 02 JUN 2006

=> file caplus, medline, biosis, embase
COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|
| 0.63 | 0.63 |

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:57:39 ON 02 JUN 2006
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=> s delta-9-tetrahydrocannabinol or delta-9-thc or tetrahydrocannabinol or
cannabinoid or cannabis

L1 58392 DELTA-9-TETRAHYDROCANNABINOL OR DELTA-9-THC OR TETRAHYDROCANNABI
NOL OR CANNABINOID OR CANNABIS

=> s alcohol(s)water(s)glycol

L2 6430 ALCOHOL(S) WATER(S) GLYCOL

=> s ethanol(s)water(s)propylene glycol

L3 1030 ETHANOL(S) WATER(S) PROPYLENE GLYCOL

=> s 11(1)12

L4 5 L1(L) L2

=> dup rem 14

PROCESSING COMPLETED FOR L4

L5 4 DUP REM L4 (1 DUPLICATE REMOVED)
ANSWERS '1-3' FROM FILE CAPLUS
ANSWER '4' FROM FILE BIOSIS

=> d ibib abs

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2003:15962 CAPLUS

DOCUMENT NUMBER: 138:61361

TITLE: Pharmaceutical composition containing
tetrahydrocannabinol and a transdermal/transcutaneous
delivery method thereof

INVENTOR(S): Murty, Ram B.; Chowdhury, Dipak K.; Mangena, Murty

PATENT ASSIGNEE(S): Murty Pharmaceuticals, Inc., USA

SOURCE: U.S., 14 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 6503532 | B1 | 20030107 | US 2002-121579 | 20020415 |
| PRIORITY APPLN. INFO.: | | | US 2001-283350P | P 20010413 |

AB Disclosed is a transdermal/transcutaneous delivery system to deliver
tetrahydrocannabinol (THC) and related compds., comprising of gel,
film and reconstituted liquid for topical application. The delivery system

may contain polymethacrylic acid (PMA), carbopol, polyethylene glycol 8000 (PEG), propylene glycol (PG), water, alc., acetone, caprylic acid, caproic acid, oleic acid, lauric acid, iso-Pr myristate, triethanolamine, and mixts. thereof. This formulation can be used as an analgesic, antiemetic, antiglaucoma medication, arthritis treatment and prevention of weight loss treatment associated with AIDS. It can also be used for treating dementia and multiple sclerosis. The present formulation avoids the problems associated with oral administration, patient compliance and potential abuse associated with other routes of administration of THC.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2 ibib abs

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:681409 CAPLUS

DOCUMENT NUMBER: 141:195317

TITLE: Composition for inhalation comprising
Δ9-tetrahydrocannabinol in a semiaqueous solvent

INVENTOR(S): McPhillips, Andrea M.; Economou, Julia J.; Dedhiya,
Mahendra G.; Wynne, Beverley Ann

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S.
6,747,058.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2004162336 | A1 | 20040819 | US 2003-656304 | 20030905 |
| US 6747058 | B1 | 20040608 | US 2000-639289 | 20000815 |
| PRIORITY APPLN. INFO.: | | | US 1999-150023P | P 19990820 |
| | | | US 2000-639289 | A2 20000815 |

AB A stable composition for rapid delivery by inhalation to the lungs, and subsequently to the bloodstream, is provided. The composition comprises a therapeutically effective amount of .DELTA.-9-tetrahydrocannabinol in a pharmaceutically-acceptable semiaq. solvent comprising an alc., water and a glycol
. A composition comprising volumetric ratios of ethanol:water:propylene glycol selected from those in the range of from 10-70:10-30:20-80, resp., having a combined total of 100 is also provided. A sterile and/or preserved sealed unit-or multi-unit dosage form of .DELTA.9-tetrahydrocannabinol is further provided.

=> d 3 ibib abs

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:152459 CAPLUS

DOCUMENT NUMBER: 134:183527

TITLE: Composition for inhalation comprising
delta-9-tetrahydrocannabinol in a semiaqueous solvent

INVENTOR(S): McPhillips, Andrea M.; Economou, Julia J.; Dedhiya,
Mahendra G.; Wynne, Beverly Ann

PATENT ASSIGNEE(S): Roxane Laboratories, Inc., USA

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2001013886 | A1 | 20010301 | WO 2000-US22495 | 20000815 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2382217 | AA | 20010301 | CA 2000-2382217 | 20000815 |
| EP 1212039 | A1 | 20020612 | EP 2000-957496 | 20000815 |
| EP 1212039 | B1 | 20051102 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| JP 2003535813 | T2 | 20031202 | JP 2001-518025 | 20000815 |
| NZ 517517 | A | 20040326 | NZ 2000-517517 | 20000815 |
| AU 779324 | B2 | 20050120 | AU 2000-69107 | 20000815 |
| AT 308314 | E | 20051115 | AT 2000-957496 | 20000815 |
| NO 2002000835 | A | 20020402 | NO 2002-835 | 20020220 |
| HK 1056318 | A1 | 20050923 | HK 2003-108637 | 20031126 |
| PRIORITY APPLN. INFO.: | | | US 1999-150023P | P 19990820 |
| | | | WO 2000-US22495 | W 20000815 |

AB A formulation of **delta-9-tetrahydrocannabinol** in a semi-aqueous solvent, such as 35:10:55 alc.:water :propylene glycol (volume/volume), produces a stable clear solution near the solubility point of the drug. Because **delta-9-tetrahydrocannabinol** has poor affinity for the formulation, it is able to partition out and transport across cell membranes to reach the bloodstream quickly. This was demonstrated by the comparative tmax values achieved in single dose i.v. and 14 day multiple dose inhalation studies conducted in dogs and rats.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 4 ibib abs

L5 ANSWER 4 OF 4 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:299026 BIOSIS
DOCUMENT NUMBER: PREV200400303855
TITLE: Stable composition for inhalation therapy comprising delta-9-tetrahydrocannabinol and semiaqueous solvent therefor.
AUTHOR(S): Dedhiya, Mahendra G. [Inventor, Reprint Author]; Economou, Julia J. [Inventor]; McPhillips, Andrea M. [Inventor]; Wynne, Beverley A. [Inventor]
CORPORATE SOURCE: Dublin, OH, USA
ASSIGNEE: Unimed Pharmaceuticals, Inc.
PATENT INFORMATION: US 6747058 20040608
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (June 8 2004) Vol. 1283, No. 2.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
ISSN: 0098-1133 (ISSN print).
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 30 Jun 2004
Last Updated on STN: 30 Jun 2004
AB A formulation of **delta-9-tetrahydrocannabinol**

in a semi-aqueous solvent, such as 35:10:55 alcohol:
water:propylene glycol (v/v), produces a stable clear
solution near the solubility point of the drug. Because delta-
9-tetrahydrocannabinol has poor affinity for the
formulation, it is able to partition out and transport across cell
membranes to reach the bloodstream quickly. This has been demonstrated by
the comparative tmax values achieved in single dose intravenous and 14 day
multiple dose inhalation studies conducted in dogs and rats.

=> d his

(FILE 'HOME' ENTERED AT 11:55:45 ON 02 JUN 2006)

FILE 'CAPLUS, MEDLINE, BIOSIS, EMBASE' ENTERED AT 11:57:39 ON 02 JUN 2006

L1 58392 S DELTA-9-TETRAHYDROCANNABINOL OR DELTA-9-THC OR TETRAHYDROCANN
L2 6430 S ALCOHOL(S)WATER(S)GLYCOL
L3 1030 S ETHANOL(S)WATER(S)PROPYLENE GLYCOL
L4 5 S L1(L)L2
L5 4 DUP REM L4 (1 DUPLICATE REMOVED)

=> s 11(1)13

L6 1 L1(L) L3

=> d ibib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:681409 CAPLUS

DOCUMENT NUMBER: 141:195317

TITLE: Composition for inhalation comprising
Δ9-tetrahydrocannabinol in a semiaqueous solvent

INVENTOR(S): McPhillips, Andrea M.; Economou, Julia J.; Dedhiya,
Mahendra G.; Wynne, Beverley Ann

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S.
6,747,058.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2004162336 | A1 | 20040819 | US 2003-656304 | 20030905 |
| US 6747058 | B1 | 20040608 | US 2000-639289 | 20000815 |
| PRIORITY APPLN. INFO.: | | | US 1999-150023P | P 19990820 |
| | | | US 2000-639289 | A2 20000815 |

AB A stable composition for rapid delivery by inhalation to the lungs, and
subsequently to the bloodstream, is provided. The composition comprises a
therapeutically effective amount of .DELTA.-9-
tetrahydrocannabinol in a pharmaceutically-acceptable semiaq.
solvent comprising an alc., water and a glycol. A composition comprising
volumetric ratios of ethanol:water:propylene
glycol selected from those in the range of from 10-70:10-30:20-80,
resp., having a combined total of 100 is also provided. A sterile and/or
preserved sealed unit-or multi-unit dosage form of .DELTA.
9-tetrahydrocannabinol is further provided.

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|---|------------------|---------|------------------|
| L1 | 4 | delta-9-tetrahydrocannabinol and delta-9-THC and delta9 tetrahydrocannabinol and cannabinoids and cannabis and delta("9")-THC | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:34 |
| L2 | 6581251 | delta-9-tetrahydrocannabinol and delta-9-THC and delta9 tetrahydrocannabinol OR cannabinoids OR cannabis OR delta("9")-THC | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/06/02 09:35 |
| L3 | 247756 | l2 and alcohol and water and glycol | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/06/02 09:36 |
| L4 | 247756 | l2 and alcohol and water and glycol | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:36 |
| L5 | 271731 | alcohol and water and glycol | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:37 |
| L6 | 1386 | alcohol near water near glycol | US-PGPUB; USPAT; EPO; JPO; DERWENT | NEAR | ON | 2006/06/02 09:38 |
| L7 | 1228 | L2 and L6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:39 |
| L8 | 460 | L2 and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:43 |
| L9 | 141 | delta-9-tetrahydrocannabinol | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:43 |
| L10 | 0 | L9 and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:44 |
| L11 | 0 | delta-9-THC and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:44 |

EAST Search History

| | | | | | | |
|-----|---|--|---|-----|----|------------------|
| L12 | 2 | cannabinoids and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:50 |
| L13 | 0 | cannabis and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:50 |
| L14 | 0 | delta(9)-THC and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:50 |
| L15 | 2 | tetrahydrocannabinol and L6 @py<="1999" | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2006/06/02 09:50 |